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**UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.**

HENRY. S. GRAVES, Forester.

April Field Program, 1912.

This program of field work and assignments in the Forest Service is issued quarterly on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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Cooperation.—CARLISLE P. WINSLOW.

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Review of results.—WM. H. KEMPFER, H. S. BETTS.

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PLANTING.—SEWARD D. SMITH.

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DISTRICT 3.

Arizona, Arkansas, Florida, New Mexico, and Oklahoma. Office, Strickler-Luna Building, Albuquerque, N. Mex.

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LANDS.—FRANK C. POOLER, assistant district forester.

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OPERATION.—A. C. MCCAIN, assistant district forester.

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BOUNDARIES.—R. V. R. REYNOLDS.

SILVICULTURE.—O. M. BUTLER, assistant district forester; D. F. SEERY, lumberman.

PLANTING.—J. M. FETHEROLF.

SILVICS.—E. R. HODSON.

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GRAZING.—HOMER E. FENN, assistant district forester.

LANDS.—T. C. HOYT, assistant district forester; R. E. GERY, assistant.

SUPPLY DEPOT.—A. M. SMITH, property clerk.

PROPERTY AUDIT.—J. G. FALCK, property auditor.

NATIONAL FORESTS.

ARIZONA.

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IDAHO.

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Nebo.—DAN S. PACK, forest supervisor, Nephi (WU-WF).

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Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU-WF).

Sevier.—O. C. SNOW, forest supervisor, Panguitch (WU-WF).

Uinta.—W. I. PACK, forest supervisor, Provo (WU-WF); J. Carl Allred, deputy forest supervisor; Nils B. Eckbo, forest examiner.

Wasatch.—E. H. CLARKE, forest supervisor, Salt Lake City (WU, P-Am, WF); Wasatch Nursery, N. J. Fetherolf, forest planting assistant.

WYOMING.

Ashley.—See Utah.

Caribou.—See Idaho.

Palisade.—See Idaho.

Targhee.—See Idaho.

Teton.—R. E. MILLER, forest supervisor, Jackson (WU-Am); H. B. Maris, forest assistant.

Wyoming.—JAMES E. JEWELL, forest supervisor, Afton (WU-Am); John E. Ingrani, forest assistant.

DISTRICT 5.

California and southwestern Nevada. Office, First National Bank Building, San Francisco, Cal.

COERT DUBOIS, district forester; WALTER L. HUBER, district engineer; CLARENCE WILEY, inspector of records.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor in charge; MAURY CURTIS, assistant to the solicitor.

ACCOUNTS.—F. C. THOMPSON, district fiscal agent.

OPERATION.—ROY HEADLEY, assistant district forester.

MAINTENANCE.—F. H. SMITH.

SILVICULTURE.—T. D. WOODBURY, assistant district forester; SWIFT BERRY, forest assistant.

SILVICS.—J. A. MITCHELL, forest assistant.

E. P. Meinecke, consulting pathologist, San Francisco, Cal.

GRAZING.—JOHN H. HATTON, assistant district forester.

LANDS.—L. A. BARRETT, assistant district forester.

PRODUCTS.—C. STOWELL SMITH, assistant district forester, in charge; C. A. Kupfer, forest assistant; A. K. Armstrong, engineer in timber tests; Geo. M. Hunt, assistant chemist in forest products, San Francisco, Cal.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P-WF); Jesse W. Hough, forest assistant, San Bernardino; Serope Y. Parney, forest planting assistant, Redlands.

California.—D. P. GODWIN, forest supervisor, Willows (P-WF); A. W. Bartlett, deputy forest supervisor; S. W. Strothman, forest assistant.

Cleveland.—H. N. WHEELER, forest supervisor, San Diego (WU, P-WF).

Eldorado.—EVAN W. KELLEY, forest supervisor, Placerville (WU-WF); George W. Lyons, forest assistant.

Inyo.—A. H. HOGUE, forest supervisor, Bishop (WU-WF).

Kern.—W. J. RUSHING, forest supervisor, Bakersfield (WU-WF); Jas. O. Morrow, deputy forest supervisor; Neal T. Childs, forest assistant.

Klamath.—W. B. RIDER, forest supervisor, Yreka (WU-WF); J. R. Hall, deputy forest supervisor; Shirley W. Allen and Douglas K. Noyes, forest assistants.

Lassen.—L. A. H. KLING, forest supervisor, Red Bluff (P-WF); R. H. Boerker, forest assistant.

Modoc.—C. E. RACHFORD, forest supervisor, Alturas (P-WF); Vernon L. Bonner, deputy forest supervisor; Belknap C. Goldsmith, forest assistant.

Mono.—See Nevada.

Monterey.—N. H. SLOANE, acting forest supervisor, Arbolado (WU, Monterey-WF, Monterey).

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU, Keddie, Cal.-WF); W. G. Durbin, deputy forest supervisor; R. S. Maddox and George R. Orr, forest assistants.

- Santa Barbara.**—D. D. BRONSON, acting forest supervisor, Santa Barbara (P-WF); H. G. Merrill, deputy forest supervisor; W. H. Moore, forest assistant.
- Sequoia.**—ALLAN B. PATTERSON, forest supervisor, Hot Springs, Tulare County (WU via Portersville-WF); W. C. Burton, deputy forest supervisor; S. W. Wynne, forest assistant.
- Shasta.**—R. F. HAMMATT, forest supervisor, Sisson (P-WF); M. R. Tillotson, deputy forest supervisor; Stewart B. Show and Edward I. Kotok, forest assistants.
- Sierra.**—P. G. REDINGTON, forest supervisor, Northfork (WU via Friant-WF, Friant); M. A. Benedict, deputy forest supervisor; Ernest G. Dudley, forest assistant; J. C. Elliott, C. H. Ensign, reconnaissance.
- Stanislaus.**—R. W. AYRES, forest supervisor, Sonora (WU-WF); T. C. West, deputy forest supervisor; J. V. Wulff and Louis T. Larsen, forest assistants; Patrick Kennedy, reconnaissance.
- Tahoe.**—R. L. P. BIGELOW, forest supervisor, Nevada City (WU-WF); M. B. Pratt, deputy forest supervisor; K. Mills, forest assistant.
- Trinity.**—W. A. HUESTIS, forest supervisor, Weaverville (WU-WF); J. D. Coffman, deputy forest supervisor; Ernst V. Jotter and Howard DeForest, forest assistants.

NEVADA.

- Inyo.**—See California.
- Mono.**—WM. M. MAULE, forest supervisor, Gardnerville (WU-WF); Rex King, forest assistant.
- Tahoe.**—See California.

OREGON.

- Eldorado.**—See California.

DISTRICT 6.

- Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.
- GEO. H. CECIL**, district forester; **W. E. HERRING**, district engineer.
- LAW.**—Office of the Solicitor (Forest Service branch). **W. F. STALEY**, assistant to the solicitor, in charge; **EARL C. ARNOLD**, assistant to the solicitor.
- ACCOUNTS.**—**A. H. COUSINS**, district fiscal agent.
- OPERATION.**—**C. H. FLORY**, assistant district forester.
- MAINTENANCE.**—**SHIRLEY BUCK**.
- SILVICULTURE.**—**F. E. AMES**, assistant district forester; **C. S. JUDD**, assistant district forester; **W. T. ANDREWS**, lumberman; **EDWIN C. ERICKSON**, scaler.
- PLANTING.**—**J. F. KÜMMEL**.
- SILVICS.**—**T. T. MUNGER**.
- Studies**, **E. J. Hanzlik**, Portland; **G. A. Bright**, Portland; **A. G. Jackson**, Portland.
- GRAZING.**—**T. P. MACKENZIE**, assistant district forester.
- LANDS.**—**C. J. BUCK**, assistant district forester; **G. F. MEAD**, examiner.
- PRODUCTS.**—**J. B. KNAPP**, assistant district forester, in charge; **H. B. Oakleaf**, **C. W. Dunning**, **J. F. Pernot**, Portland; **O. P. M. Goss**, **C. W. Zimmerman**, **H. P. Wyckoff**, Seattle, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thos. M. Hunt, deputy forest supervisor; Bruce Hoffman, forest assistant.
Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Max Rothkugel, forest assistant.

CALIFORNIA.

Crater.—See Oregon.
Siskiyou.—See Oregon.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P-WF); Wm. H. Gibbons, deputy forest supervisor; B. Frank Heintzleman, forest assistant.
Crater.—M. L. ERICKSON, forest supervisor, Medford (WU, P-WF); S. S. Swenning, deputy forest supervisor; H. D. Foster and William E. White, forest assistants.
Deschutes.—J. ROY HARVEY, forest supervisor, Bend (WU, PT & T-Ad via Opal City, GN via Opal City).
Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev.-WF); Norman G. Jacobson, forest assistant; Nelson J. Billings, grazing assistant.
Klamath.—See California.
Malheur.—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker City-Am, WF via Baker City); D. B. Reynolds, deputy forest supervisor.
Minam.—H. W. HARRIS, forest supervisor, Wallowa (WU-Am); S. A. Brown, deputy forest supervisor.
Ochoco.—HOMER ROSS, forest supervisor, Prineville (PT & T-Am); Ephraim Barnes, deputy forest supervisor.
Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley, deputy forest supervisor; W. B. Osborne, forest assistant.
Paulina.—W. W. CRYDER, forest supervisor, Crescent (WU, PT & T-Ad, GN via Opal City).
Santiam.—N. F. MACDUFF, forest supervisor, Albany (WU-WF); E. B. Starr, forest assistant.
Siskiyou.—R. L. FROMME, forest supervisor, Grants Pass (WU, P-WF); Allen Hodgson, deputy forest supervisor; H. Haefner, forest assistant.
Siuslaw.—A. E. COHOON, forest supervisor, Eugene (WU, P-WF); David E. Fitton, deputy forest supervisor.
Umatilla.—HUGH B. RANKIN, forest supervisor, Heppner (WU-AM).
Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P-WF); E. H. McDaniels, deputy forest supervisor; Arthur Kerr, forest assistant.
Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU-Am); Robie M. Evans, forest assistant.
Wenaha.—See Washington.
Whitman.—HENRY IRELAND, forest supervisor, Sumpter (WU via Baker City-Am, WF via Baker City); M. L. Merritt, deputy forest supervisor; Harold P. Gilkey and Lawrence Pagter, forest assistants.

WASHINGTON.

- Chelan.**—G. W. MILHAM, forest supervisor, Chelan (PT & T-Am, GN via Wenatchee); H. M. Coan, forest assistant.
- Columbia.**—H. O. STABLER, forest supervisor, Portland, Oreg. (WU, P-Am, WF, N); W. W. G. Hastings, deputy forest supervisor; A. R. Wilcox and Lage Wernstedt, forest assistants.
- Colville.**—C. C. REID, forest supervisor, Republic (WU, P-Am, GN); F. W. Cleator, deputy forest supervisor; Edward W. Headsten, forest assistant.
- Okanogan.**—H. M. HALE, forest supervisor, Okanogan; V. V. Harpham, deputy forest supervisor.
- Olympic.**—P. S. LOVEJOY, forest supervisor, Olympia (WU-Am, GN, N); A. A. Parker, deputy forest supervisor.
- Rainier.**—G. F. ALLEN, forest supervisor, Tacoma (WU, P-Am, N); P. T. Harris, deputy forest supervisor; E. J. Fenby, forest assistant.
- Snoqualmie.**—B. P. KIRKLAND, forest supervisor, Seattle (WU, P-N, GN, WF); Lewis A. Treen, jr., deputy forest supervisor; Walter H. Leve, forest assistant.
- Washington.**—C. H. PARK, forest supervisor, Bellingham (WU, P-Am, GN, N); F. H. Brundage, deputy forest supervisor; Herman M. Johnson, forest assistant.
- Wenaha.**—J. M. SCHMITZ, forest supervisor, Walla Walla (WU-Am, N).
- Wenatchee.**—A. H. SYLVESTER, forest supervisor, Leavenworth (WU-Am, GN); C. P. Willis, forest assistant.

SERVICE CHANGES.

APPOINTED.

DISTRICT 1.—Operation: Frank G. Pierce, assistant forest ranger, Beartooth National Forest; Will M. Pratt, assistant forest ranger, Gallatin National Forest; Alvah Strong, forest clerk, Kaniksu National Forest; Evalyn Eddy, clerk (stenographer and typewriter), St. Joe National Forest; Nellie S. Serier, clerk (stenographer and typewriter), Superior National Forest. Lands: Ulysses S. Swartz, agent.

DISTRICT 2.—District office: J. Leroy Mathias, junior engineer; M. Edith Garver, clerk (stenographer and typewriter). Operation: Alison L. Kroeger, assistant forest ranger, Durango National Forest; Linley R. Engele, assistant forest ranger, Nebraska National Forest; Bertram J. Ray, assistant forest ranger, Uncompahgre National Forest; Theodore Krueger, clerk (stenographer and typewriter), Nebraska National Forest; Pauline Brautigam, clerk (stenographer and typewriter), Kansas National Forest.

DISTRICT 3.—Law: Daniel F. McGowan, assistant to the solicitor, district office (by transfer from District 6). Operation: Charles W. McKibbin, forest assistant, Apache National Forest; Candelario B. Sedillo, forest clerk, Datil National Forest; Myron G. Browne, clerk, Gila National Forest; Leslie T. Mahurin, forest clerk, and N. Curtis Case, forest assistant, Ozark National Forest; Frank C. Douglas, forest clerk, Tonto National Forest; Charles C. Carr and John R. Towles, forest clerks, Tusayan National Forest. Lands: Marie A. Schach, map colorist, district office.

DISTRICT 4.—Operation: James H. Hull, assistant forest ranger, Boise National Forest; Hensley G. Harris, forest clerk, Minidoka National Forest. District office: Florence H. J. Redfield, clerk (typewriter).

DISTRICT 5.—District office: Rowland L. Egenhoff, hydraulic engineer; W. A. Greer, clerk (stenographer and typewriter). Operation: Alfred R. Ratcliff, clerk (stenographer and typewriter), Cleveland National Forest; Roderick M. Fleming, clerk (stenographer and typewriter), Lassen National Forest; Roy H. Blood, forest clerk, Sierra National Forest; Roy C. Hennessey, clerk (typewriter), Stanislaus National Forest; Gertrude Emmerich, clerk (stenographer and typewriter), Tahoe National Forest.

DISTRICT 6.—Operation: Clarence M. Adams, clerk, Olympic National Forest; Charles W. Long, forest clerk, Paulina National Forest.

RESTORED TO THE ROLLS.

DISTRICT 1.—Operation: Aretas A. Saunders, forest assistant, Lewis and Clark National Forest; assistant forest rangers—George E. McKinsey, Beartooth National Forest; Charles E. Brackett, Beaverhead National Forest; Walter F. Gilliam and William W. Fuller, Bitterroot National Forest; Thomas Paine Delano, Cabinet National Forest; Charles A. Newman, Custer National Forest; Thomas A. Clapp and Stephen A. Wallace, Deerlodge National Forest; Alfred J. Feary and Frank E. Porter, Kaniksu National Forest; Perry R. Rogers, Kootenai National Forest; Robert L. Townsend, Madison National Forest; Frank J. Smith, Selway National Forest; John D. Brooks, St. Joe National Forest.

DISTRICT 2.—District office: Scovel H. Johnson, agent; Nellie E. Dillon, forest clerk. Operation: Charles W. Euler, assistant forest ranger, Arapaho National Forest; Thomas O. Patterson, assistant forest ranger, Battlement National Forest; George E. Belknap, assistant forest ranger, Bridger National Forest; Guy E. Tefft, assistant forest ranger, Durango National Forest; Walter T. Schmehl, assistant forest ranger, Washakie National Forest; James C. Jensen, forest ranger, Hayden National Forest.

DISTRICT 3.—Operation: Luetta C. Steinemann, clerk (stenographer and typewriter), Gila National Forest; James P. Leese, forest ranger, and James R. Ewell, assistant forest ranger, Jemez National Forest. Silviculture: John H. Allison, forest examiner, district office; Henry L. Johnson, forest assistant, Sitgreaves National Forest.

DISTRICT 5.—Operation: Sylvester W. Strothman, forest assistant, California National Forest; Samuel B. Clifton, assistant forest ranger, Angeles National Forest.

DISTRICT 6.—Operation: U. L. Upson, jr., clerk, Siskiyou National Forest; assistant forest rangers—Wm. C. Fruit, A. L. Peachey, and George H. West, Crater National Forest; Grover C. Conger, Malheur National Forest; George K. Ledford, Oregon National Forest; E. J. Moore, Snoqualmie National Forest; Geo. E. Stevenson, Wenaha National Forest; John S. Brender, Wenatchee National Forest. Silviculture: Chas. H. Judd, assistant district forester, district office.

REINSTATED.

DISTRICT 2.—Operation: Clifford T. Adams, assistant forest ranger, Sundance National Forest.

DISTRICT 4.—Operation: John F. Squires, forest ranger, Cache National Forest.

CHANGE IN DESIGNATION.

PRODUCTS.—Laboratory: John A. Newlin, engineer in timber tests to engineer in forest products; Carlile P. Winslow, engineer in wood preservation to engineer in forest products; Francis M. Bond, engineer in wood preservation to engineer in forest products; Harold S. Betts, assistant district forester to engineer in forest products; W. K. Hatt, expert to civil engineer.

APPALACHIAN.—Rudolph Dieffenbach, deputy forest supervisor to forest examiner; Jacob L. Pritchard, forest ranger to forest examiner; W. Brooke Dunwoody, field assistant to field examiner; F. Carl Schober, field assistant to field examiner; Hugo Sonderegger, agent to field examiner; Arthur C. Volkmar, agent to field examiner; Frederick A. Gardner, agent to examiner of surveys.

DISTRICT 1.—Operation: David T. Mason, forest supervisor to assistant district forester; Francis M. Patton, deputy forest supervisor to forest assistant.

DISTRICT 3.—Grazing: Arthur D. Read, deputy forest supervisor to forest examiner, district office.

DISTRICT 5.—Operation: Ernest B. Long, deputy forest supervisor to forest ranger, Angeles National Forest.

TRANSFERRED.

DISTRICT 1.—Accounts: Henry J. Weil, clerk, from Census Office, Department of Commerce and Labor, to district office; Albert G. Crutchfield, clerk, from district office to Census Office, Department of Commerce and Labor. Operation: Ralph W. French, forest clerk, from Clearwater National Forest to Coeur d'Alene National Forest; E. C. Clifford, forest assistant, from Lolo National Forest to Madison National Forest; Kenneth D. Swan, forest assistant, from Jefferson National Forest to Sioux National Forest. Silviculture: David T. Mason, forest supervisor, Deerlodge National Forest to assistant district forester, district office.

DISTRICT 2.—District office: Louis V. Woulfe, clerk, from Minidoka National Forest, District 4. Operation: Alfred C. Anderson, forest clerk, from Medicine Bow National Forest to San Isabel National Forest; Thomas Topham, forest clerk, from San Isabel National Forest to Medicine Bow National Forest; Francis L. W. Grubb, assistant forest ranger, from San Juan National Forest to Durango National Forest. Silviculture: Forest assistants—Frank B. Notestein, from Montezuma National Forest to Fremont Experiment Station; Huber C. Hilton, from Medicine Bow National Forest to Arapaho National Forest; Percy T. Smith, from Washington, D. C., to Black Hills National Forest; George R. Morrison, Fremont Experiment Station to Holy Cross National Forest; Gordon Parker, from Washakie National Forest to Montezuma National Forest; Fred R. Johnson, from Arapaho National Forest to Nebraska National Forest.

DISTRICT 3.—Operation: J. A. Simmons, forest ranger, Alamo National Forest to Gila National Forest; Andrew H. Edwards, assistant forest ranger, Coronado National Forest to Tusayan National Forest; Adolph G. McCloskey, forest clerk, Gila National Forest to Sitgreaves National Forest; James R. Ewell, assistant forest ranger, Jemez National Forest to Pecos National Forest; Ralph L. Bateman, assistant forest ranger, Lincoln National Forest to Coconino National Forest, to Sitgreaves National Forest; John V. Hobbie, assistant forest ranger, Lincoln National Forest to Coconino National Forest; Wilbur R. Mattoon, forest supervisor, Manzano National Forest to District 7; William L. Bishop, forest clerk, Tonto National Forest to District 6; John R. Towles, forest clerk, Tusayan National Forest to Zuni National Forest, to Datil National Forest. Silviculture: Thomas B. Longwell, forest ranger, Alamo National Forest to Sitgreaves National Forest; Gustaf A. Pearson, forest examiner, Coconino Experiment Station to district office; Oliver F. Bishop, William C. Koepke, Raymond E. Marsh, and Robert S. Wallace, forest assistants, Jay L. B. Taylor, forest ranger, and Clarence Goddard, assistant forest ranger, from Ozark National Forest to Arkansas National Forest.

DISTRICT 4.—Operation: Herbert Graff, forest supervisor, Toiyabe National Forest to Idaho National Forest; deputy forest supervisors—Duncan M. Lang, Teton National Forest to Idaho National Forest; Rudolph Dieffenbach, Nevada National Forest to District 7 (Washington office); forest rangers—John F. Squires, Cache National Forest to district office; Bernard E. Mattsson, Manti National Forest to Fishlake National Forest; assistant forest rangers—James A. Cahill, Nevada National Forest to Toiyabe National Forest; Andrew A. Casner, Boise National Forest to Kaibab National Forest; Hans A. Wickham, Fishlake National Forest to Manti National Forest; Louis V. Woulfe, clerk, Minidoka National Forest to District 2; Thomas F. Myers, forest clerk, Caribou National Forest to District 3.

DISTRICT 6.—District forester: F. A. Elliott, collaborator, District 7 to District 6. Law: D. F. McGowan, law clerk, District 6 to District 3. Operation: Adelaide G. King, clerk, Umpqua National Forest to district office; William L. Bishop, clerk, District 3 to District 6.

PROMOTED IN RANK.

DISTRICT 2.—Operation: Roy G. Pierce, forest assistant to deputy forest supervisor, Nebraska National Forest.

DISTRICT 3.—Elza E. Poynter, assistant forest ranger to forest ranger, Jemez National Forest; Jay L. B. Taylor, assistant forest ranger to forest ranger, Ozark National Forest; Edgar M. Twitty, assistant forest ranger to forest ranger, Tusayan National Forest.

DISTRICT 4.—Operation: Thomas J. Collins, deputy forest supervisor, Moapa National Forest, to forest supervisor, Toiyabe and Moapa National Forests; Raymond G. Steele, forest ranger to deputy forest supervisor, Toiyabe National Forest; Asa L. Brower, forest assistant to deputy forest supervisor, Lemhi National Forest; Edgar P. Huffman, assistant forest ranger to forest ranger, Challis National Forest. District office: Florence I. Shafer, copyist-topographic draftsman to topographical draftsman.

DISTRICT 5.—Operation: Frederick H. Hafley, from forest ranger to deputy forest supervisor, district office; Frank B. Cayot, assistant forest ranger to forest

ranger, Plumas National Forest; Samuel B. Clifton, deputy forest ranger to assist-
ant forest ranger, Angeles National Forest.

LEAVE WITHOUT PAY.

APPALACHIAN.—C. D. Cushing, expert.

DISTRICT 1.—Operation: David G. Kinney, forest supervisor, Missoula National Forest; Joseph W. Collette, forest clerk, Absaroka National Forest. Assistant forest rangers—William E. Lockhart, Beartooth National Forest; Charles E. Brackett, Beaverhead National Forest; Percy Knowles and Winthrope H. Young, Bitterroot National Forest; Ernest B. Clark, Cabinet National Forest; James D. Shy, Custer National Forest; C. Lee Billings, Harold Townsend, and Harry G. Hungate, Deer-lodge National Forest; Edward J. Weidner, Kootenai National Forest; George Grigg, Lewis and Clark National Forest; Charles E. Vealey, Lolo National Forest; Sterling H. Findley, Madison National Forest; Ray R. Fitting, Frank J. Smith, and Adolph Weholt, Selway National Forest.

DISTRICT 2.—District office: Rinda J. Hardenbrook, clerk (stenographer and type-writer); Harry M. Booth, expert miner. Operation: Eugene M. Stone, assistant forest ranger, Uncompahgre National Forest. Silviculture: Crosby A. Hoar, forest assistant, White River National Forest.

DISTRICT 3.—Operation: Charles D. Munro and Luther L. Gaskill, forest clerks, and Joseph J. Jones, assistant forest ranger, Datil National Forest; Patrick A. Fenton, forest ranger, Tusayan National Forest; Marion Franklin, clerk (typewriter), Zuni National Forest. Silviculture: Daniel D. Harkness, forest ranger, Tonto National Forest.

DISTRICT 4.—Operation: Julian E. Rothery, forest supervisor, Idaho National Forest. Assistant forest rangers—Henry K. Lewis, Boise National Forest; John F. Woodman, Targhee National Forest; Edward Brown and James F. Matthews, Toiyabe National Forest.

DISTRICT 5.—Operation: Frances Wainwright, clerk (stenographer and type-writer), district office; Fred E. Field, clerk (stenographer and typewriter), Cleveland National Forest; Minnie B. Lamson, clerk, Cleveland National Forest. Assistant forest rangers—George Crow, Angeles National Forest; Thomas T. Dinsmore, Santa Barbara National Forest; Hugh R. Downey, Sierra National Forest; William H. Gal-laher, forest assistant, Tahoe National Forest. Silviculture: Fred L. Rickey, forest planting assistant, Shasta National Forest.

DISTRICT 6.—Operation: Frank B. Kellogg, deputy forest supervisor, Cascade National Forest. Assistant forest rangers—Robert S. Bennett, Malheur National Forest; Parker S. Bonney, Olympic National Forest; John L. Jones, Washington National Forest.

FURLOUGHED.

DISTRICT 1.—Operation: Assistant forest rangers—Henry J. Lampe, Absaroka National Forest; Frank A. Clark, Beartooth National Forest; Philip A. Clack, Frank McClung, Frederick J. Holbrook, Flathead National Forest; Wayne F. Alexander, John D. Brooks, David C. Huson, John C. Ketridge, Perry R. Rogers, Kootenai National Forest; Ben P. Martin, Raymond E. Maurer, Madison National Forest;

Edwin T. Irvine, Missoula National Forest; Frank B. Rogers, Selway National Forest; Henry F. Kottkey, St. Joe National Forest.

DISTRICT 2.—Operation: Sidney H. Axmear, forest clerk, Bonneville National Forest; Nellie E. Dillon, forest clerk, San Isabel National Forest; Edwin Bluck, forest ranger, Durango National Forest. Assistant forest rangers—David E. Basham, Bridger National Forest; Thomas E. Price, Durango National Forest; Guy E. Tefft, Durango National Forest; Kenson J. Helmick, Gunnison National Forest; Percy R. Westover, Hayden National Forest; William R. Kenney, Uncompahgre National Forest; D. Kirk Shaw, White River National Forest.

DISTRICT 3.—Operation: Sam A. Blocker, forest ranger, and Marshall W. Parker, assistant forest ranger, Alamo National Forest; Max H. Foerster, forest assistant, Coconino National Forest; James J. Woolsey, assistant forest ranger, Crook National Forest; John R. Coleman and Lewis J. Mundell, assistant forest rangers, Lincoln National Forest; William C. Roderus, assistant forest ranger, Prescott National Forest; George M. Nyce, assistant forest ranger, Sitgreaves National Forest; Fred W. Canfield, assistant forest ranger, Zuni National Forest.

DISTRICT 5.—Operation: Newton Garner, deputy forest ranger, Angeles National Forest; Henry W. Muzzall, deputy forest ranger, Santa Barbara National Forest; assistant forest rangers—Isaac W. Decker, Cleveland National Forest; William J. Hoskins, Inyo National Forest; Douglas Robinson, Inyo National Forest; Harvey P. Rogers, Plumas National Forest; William A. Smith, Santa Barbara National Forest; George A. Gerber, Stanislaus National Forest; Charles W. Sutcliffe, Tahoe National Forest.

DISTRICT 6.—Walter H. Leve, forest assistant, Snoqualmie National Forest.

RESIGNED.

Appalachian.—James O. Howard, agent.

DISTRICT 1.—Operation: Ethie H. McKay, clerk, district office; Roy L. Medcalfe, clerk (stenographer and typewriter), district office; John M. Bedford, forest assistant, Absaroka National Forest; Hosea T. Parker, assistant forest ranger, Beartooth National Forest; William Ellis, assistant forest ranger, Cabinet National Forest; Cuno R. Bryant, forest clerk, Custer National Forest; Oline C. Graeter, forest clerk, and Elwood I. Terry, forest assistant, Deerlodge National Forest; Willis N. Millar, forest supervisor, Kaniksu National Forest; Frank F. Bening, assistant forest ranger, Kootenai National Forest.

DISTRICT 2.—District office: Henry L. Thackwell, expert. Operation: Harry W. Thurston, forest supervisor, Shoshone National Forest; Edward Allen Brown, clerk (stenographer and typewriter), Bonneville National Forest; James H. McCuen, clerk (stenographer and typewriter), Soper National Forest; Thomas E. Jacques, forest ranger, Uncompahgre National Forest; assistant forest rangers—Benjamin F. Shelledy, Battlement National Forest; August W. F. Gundlach, Black Hills National Forest; Ben Burch, Medicine Bow National Forest; Silas H. Wright, Pike National Forest; Glenn K. Munsell, Rio Grande National Forest; Herbert J. States and Joseph C. Warthen, Washakie National Forest. Silviculture: George P. Gregg, lumberman.

DISTRICT 3.—Law: Blake Franklin, law clerk, district office. Operation: Ellery F. Lawrence, assistant forest ranger, Carson National Forest; Charles R. Childs, assistant forest ranger, Coronado National Forest; Plato D. Edmunds, forest agent,

Florida National Forest; Arthur J. Wells, assistant forest ranger, Pecos National Forest; Alexander J. MacKay, forest supervisor, Sitgreaves National Forest; John Zalaha, forest clerk, Tusayan National Forest; Harry C. Hall, deputy forest supervisor, Prescott National Forest.

DISTRICT 5.—Operation: Rex King, forest assistant, Mono National Forest; William S. Everts, assistant forest ranger, Monterey National Forest; John E. Thackara, assistant forest ranger, Shasta National Forest; Jesse E. Roberts, assistant forest ranger, Sierra National Forest; Lois Vial, clerk (typewriter), Stanislaus National Forest.

DISTRICT 6.—District forester: Walter W. Clifford, hydraulic engineer, district office. Operation: Assistant forest rangers—Frank C. McMillan, Chelan National Forest; Revis Costelloe, Siskiyou National Forest; Albert Jeffreys, Wenaha National Forest.

APPOINTMENT TERMINATED.

DISTRICT 1.—Operation: Lester E. Palmer, forest clerk, Coeur d'Alene National Forest.

DISTRICT 2.—Operation: Roy G. Waters and Louis H. Miller, assistant forest rangers, Montezuma National Forest.

DISTRICT 3.—Operation: W. Russell Rose, forest clerk, Alamo National Forest.

DISTRICT 4.—Operation: Clarence E. Dunston, deputy forest supervisor, Targhee National Forest, on account of transfer to office of Indian Affairs; Abraham Rosenmond, forest assistant, Manti National Forest.

DISTRICT 5.—District office: Rowland L. Egenhoff, hydraulic engineer; Theo. C. Zschokke, agent. Operation: Fred Hanson, assistant forest ranger, Cleveland National Forest; George L. Leboeuf, clerk (typewriter), Lassen National Forest; Ballard R. Garrett, assistant forest ranger, Trinity National Forest.

DISTRICT 6.—Silviculture: Russell G. Pond, computer, district office.

RESTORATION REVOKED.

DISTRICT 2.—Operation: Roy G. Waters, assistant forest ranger, Durango National Forest.

DISMISSED.

DISTRICT 2.—Operation: Assistant forest rangers—Leo F. Buchholz, Arapaho National Forest; Walter J. Hill, Bonneville National Forest; Asa W. Stuckey, Nebraska National Forest.

DISTRICT 3.—Operation: Willard L. Sevier, assistant forest ranger, Tusayan National Forest.

With deep regret announcement is made of the following deaths: Mrs. Elsie R. Coale, stenographer and typewriter, February 14, at Washington, D. C.; Miss Meta T. McLaws, stenographer and typewriter, March 29, at Augusta, Ga.; Charles F. Hatch, statistician in forest products, March 26, at Washington, D. C.; T. W. Carscallen, assistant forest ranger, Manzano National Forest, March 1; and Ballard R. Garrett, assistant forest ranger, Trinity National Forest, March 8.

SERVICE NOTES FOR APRIL.

These notes contain instructions and necessary information for forest officers, and will therefore be carefully read and kept on file for reference.

LAW.

OFFICE OF THE SOLICITOR.

Granting of Easements through National Forests—

In reply to a joint letter of the Secretary of the Interior and the Secretary of Agriculture, requesting to be advised whether upon a proper construction of the provisions of the agricultural appropriation act of March 4, 1911 (ch. 238, 36 Stat., 1253), the conveyance or granting of rights of way thereunder devolve upon the Secretary of the Interior or the Secretary of Agriculture when the lands to be affected thereby lie within the confines of Forest Reservations, in an opinion prepared by Assistant Attorney General Ernest Knaebel and approved by the Attorney General, it was held "that the authority to grant the easements contemplated by the legislation referred to is vested in the Secretary of Agriculture, when and in so far as the lands to be affected constitute portions of the National Forest."

Law Cases in District 1—

At the February term of the district court for the district of Montana indictments were returned against Earl Bush, E. Marott, L. E. Woodworth, and H. M. Lathem for leaving unattended a camp fire in the Deerlodge National Forest. The defendants pleaded guilty, and were fined \$15 each.

George Robinson, charged with having maliciously injured a Forest Service telephone line after having forcibly entered a ranger station and stolen the ranger's rifle, was bound over for the action of the grand jury at the July term of the United States district court for Minnesota.

Law Cases in District 2—

The case against John A. Donnel, grazing trespass, referred to the Department of Justice, was settled by the payment of \$19.20 and costs.

The Federal grand jury, on March 20, 1912, failed to indict Victor Nunez and Jose Lial, charged with willful grazing trespass, and Michael Caylor, for willful destruction of Forest Service notices on the Pike National Forest.

On December 13, 1911, the Federal grand jury at Denver returned an indictment against J. H. Neal for willful cutting of timber on the Leadville National Forest.

For setting and leaving unattended camp fires on the Black Hills National Forest, Louis Povlovich and five others were bound over to the grand jury which will meet at Deadwood in May.

SPECIAL-USE PERMIT HELD OF FULL FORCE AND EFFECT.—Le Roy and Wilson brought suit against H. F. Swanson in the county court of Clear Creek County, Colo., to eject Swanson from land in the Pike National Forest which Swanson was occupying under a special-use permit. The plaintiffs had located mining claims and a mill site covering the land so held by Swanson subsequent to the issuance of the permit. In January the United States attorney filed with the court suggestions setting out the interests of the Government and the court held that the special-use permit was in full force and effect, and that the defendant Swanson was entitled to the use, possession, and occupation of the land described in the permit.

A bill was filed in the circuit court seeking to enjoin the Henrylyn irrigation district, Inter-Mountain Water Co., and J. A. McIlwee from constructing a tunnel on the Pike and the Arapaho National Forests, through the Continental Divide, without a permit.

On March 7 complaint was filed in the Federal district court of Colorado seeking to enjoin the Wagon Wheel Gap Improvement Co. and Ellwood Bergey from closing a public highway to timber purchasers from the Government.

Suit formerly instituted against J. G. La Sarre in the northern district of Illinois for starting a fire on the Sundance National Forest was transferred to the district of South Dakota, and the United States attorney authorized to accept \$116.10 offered by defendant in full settlement.

In November the Secretary transmitted to the Postmaster General the facts in connection with the use, by C. J. Patton, of the United States mails in furtherance of a fraudulent scheme in connection with lieu-land selections in the Harney National Forest.

Law Cases in District 3—

On January 16, 1912, a temporary injunction was issued against George W. Hance restraining him from grazing cattle on the Prescott National Forest.

On January 15 the United States grand jury at Fort Smith, Ark., indicted William H. Brashears for making and presenting a false claim against the Government.

F. L. KIRBY, CHARGED WITH MURDER, RELEASED.—On February 1, F. L. Kirby, assistant forest ranger on the Crook National Forest, was arrested for murder. At the hearing, February 3, it appeared that the killing was done in self-defense while Kirby was engaged in the performance of his official duties. Kirby was released.

On March 18, 1912, the United States attorney, East Las Vegas, N. Mex., reported that the referee in the case of the United States *v.* Margarito Romero, timber trespass on the Pecos National Forest, had filed his report recommending an injunction, together with damages in the sum of \$100.

Law Cases in District 4—

George Bostas, charged with grazing trespass on lands reserved for the Pocatello, Idaho, watershed, pleaded guilty March 14, and was fined \$25. Elmer Lapray, charged with grazing trespass on the Pocatello National Forest, pleaded guilty and was fined \$25. Andrew Ross, jr., a minor, charged with fire trespass on the Fillmore National Forest, was fined \$5 and costs by a justice of the peace.

In the suit against Philip Walston to recover damages for fire trespass on the Weiser National Forest the jury returned a verdict for the defendant.

Cases reported to the Department of Justice were settled as follows: *United States v. Oliver B. Picket*, grazing trespass, Minidoka National Forest, \$12.50 actual damages, \$50 punitive damages; *Lapray brothers*, grazing trespass, Pocatello National Forest, \$6 actual damages, \$25 punitive damages, \$61.50 costs.

Law Cases in District 5—

The Federal grand jury at Los Angeles, Cal., returned indictments February 13 against Ignacio Salazar and Felippo Poggi for fire trespass on the Cleveland National Forest; refused to return an indictment against Shamikarva, Otsu & Hase (Japanese in the employ of E. S. Babcock), and against Edward Putze, for fire trespass on the same forest.

In the case of *United States v. F. W. Koehler*, grazing trespass on the Lassen National Forest, settlement was made without suit in the sum of \$87.45 actual and \$50 punitive damages.

Law Cases in District 6—

The trial of Tom Cannon, February 8, in the United States district court for the eastern district of Washington, for alleged timber trespass on the Chelan National Forest, resulted in a verdict in favor of the defendant.

H. B. Healey, arrested January 31 for violation of the grazing regulations, was released on a \$500 bond in the district court for Oregon.

On February 24 W. L. LaMotte, arraigned in the United States district court for the eastern district of Washington for trespass on the Okanogan National Forest by construction of a flume, pleaded not guilty. His trial was set for the April term of that court.

ACCOUNTS.

Bill of Lading: Appropriation to be indicated—

To facilitate settlement in the Washington office, forest officers making shipments covered by bills of lading are requested to see that the appropriation from which charges are payable is properly indicated in the space provided on the back of the original bill of lading form and on the Form M forwarded to the district fiscal agent.

OPERATION.

Revised Edition of Form 446—

A revised edition of Form 446 will be issued in time for the use of supervisors in making their annual statistical reports for the fiscal year ending June 30, 1912. A special letter of instructions will accompany the form as a guide to supervisors in filling it out as to the items and columns headed by the several schedules. That the form may be speedily and correctly compiled by supervisors it is important that the records of their offices with respect to all classes of business should be made as complete as possible by June 30.

Extension of Liability Act of May 30, 1908—

By an act of Congress approved March 11, 1912, the provisions of the act of May 30, 1908, were made to apply to any artisan, laborer, or other employee engaged in any hazardous work in the Forest Service, with the proviso that this act shall not be

held to embrace any case arising prior to its passage. The act of May 30, 1908, reads as follows:

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That when, on or after August first, nineteen hundred and eight, any person employed by the United States as an artisan or laborer in any of its manufacturing establishments, arsenals, or navy yards, or in the construction of river and harbor or fortification work, or in hazardous employment on construction work in the reclamation of arid lands or the management and control of the same, or in hazardous employment under the Isthmian Canal Commission, is injured in the course of such employment, such employee shall be entitled to receive for one year thereafter, unless such employee, in the opinion of the Secretary of Commerce and Labor, be sooner able to resume work, the same pay as if he continued to be employed, such payment to be made under such regulations as the Secretary of Commerce and Labor may prescribe: *Provided*, That no compensation shall be paid under this act where the injury is due to the negligence or misconduct of the employee injured, nor unless said injury shall continue for more than fifteen days. All questions of negligence or misconduct shall be determined by the Secretary of Commerce and Labor.

SEC. 2. That if any artisan or laborer so employed shall die during the said year by reason of such injury received in the course of such employment, leaving a widow, or a child or children under sixteen years of age, or a dependent parent, such widow and child or children and dependent parent shall be entitled to receive, in such portions and under such regulations as the Secretary of Commerce and Labor may prescribe, the same amount for the remainder of the said year that said artisan or laborer would be entitled to receive as pay if such employee were alive and continued to be employed: *Provided*, That if the widow shall die at any time during the said year her portion of said amount shall be added to the amount to be paid to the remaining beneficiaries under the provisions of this section, if there be any.

SEC. 3. That whenever an accident occurs to any employee embraced within the terms of the first section of this act, and which results in death or a probable incapacity for work, it shall be the duty of the official superior of such employee to at once report such accident and the injury resulting therefrom to the head of his bureau or independent office, and his report shall be immediately communicated through regular official channels to the Secretary of Commerce and Labor. Such report shall state, first, the time, cause, and nature of the accident and injury and the probable duration of the injury resulting therefrom; second, whether the accident arose out of or in the course of the injured person's employment; third, whether the accident was due to negligence or misconduct on the part of the employee injured; fourth, any other matters required by such rules and regulations as the Secretary of Commerce and Labor may prescribe. The head of each department or independent office shall have power, however, to charge a special official with the duty of making such reports.

SEC. 4. That in the case of any accident which shall result in death the persons entitled to compensation under this act or their legal representatives shall, within ninety days after such death, file with the Secretary of Commerce and Labor an affidavit setting forth their relationship to the deceased and the ground of their claim for compensation under the provisions of this act. This shall be accompanied by the certificate of the attending physician setting forth the fact and cause of death, or the nonproduction of the certificate shall be satisfactorily accounted for. In the case of incapacity for work lasting more than fifteen days, the injured party desiring to take the benefit of this act shall, within a reasonable period after the expiration of such time, file with his official superior, to be forwarded through regular official channels to the Secretary of Commerce and Labor, an affidavit setting forth the grounds of his claim for compensation, to be accompanied by a certificate of the attending physician as to the cause and nature of the injury and probable duration of the incapacity, or the nonproduction of the certificate shall be satisfactorily accounted for. If the Secretary of Commerce and Labor shall find from the report and affidavit or other evidence produced by the claimant or his or her legal representatives, or

from such additional investigation as the Secretary of Commerce and Labor may direct, that a claim for compensation is established under this act, the compensation to be paid shall be determined as provided under this act and approved for payment by the Secretary of Commerce and Labor.

SEC. 5. That the employee shall, whenever and as often as required by the Secretary of Commerce and Labor, at least once in six months, submit to medical examination, to be provided and paid for under the direction of the Secretary, and if such employee refuses to submit to or obstructs such examination his or her right to compensation shall be lost for the period covered by the continuance of such refusal or obstruction.

SEC. 6. That payments under this act are only to be made to the beneficiaries or their legal representatives other than assignees, and shall not be subject to the claims of creditors.

SEC. 7. That the United States shall not exempt itself from liability under this act by any contract, agreement, rule, or regulation, and any such contract, agreement, rule, or regulation shall be pro tanto void.

SEC. 8. That all acts or parts of acts in conflict herewith or providing a different scale of compensation or otherwise regulating its payment are hereby repealed.

Printed instructions and the necessary blank forms will be supplied to the district foresters, for distribution to forest officers, as soon as received from the Secretary of Commerce and Labor.

Forest Service Chain-Stadia Pattern—

In addition to the standard stadia pattern, reading 100-foot distances, described on page 58 of the October Field Program, there has been adopted a chain-stadia pattern which gives measurements in Gunter's chains of 66 feet and tenths thereof. The pattern is the same design as the standard stadia pattern, consisting of red and black triangles upon a white background. The sheets have been printed and will be issued by the property clerk as expendable property. Each sheet will contain printed directions for making the rod, similar to those contained on the standard pattern.

Lookout Station Protractor—

A standard protractor for lookout stations has never been adopted, but a number of different forms are being tried. There will soon be issued and obtainable from the property clerk a protector 5 inches in diameter, lithographed on thin transparent paper, from which it can be cut out and pasted upon the station map, properly centered and oriented to the position of the lookout station on the map. This protractor is issued at the request of district 1, but an extra quantity is being printed in order that they may be available in other districts and be given a thorough trial.

Changes in Boundaries and Areas—

Proclamations and Executive orders have been signed changing National Forest boundaries as follows:

In district 1 the proclamation signed February 27 eliminated 73,160 acres from the Jefferson National Forest, Mont.

In district 2 a proclamation was signed February 15 modifying the proclamations of the Black Hills, Harney, and Sioux National Forests, to provide for the carrying out of an agreement entered into January 4, 1910, by the Forest Service and the State of South Dakota. By the agreement the State was to relinquish its claim under its

common-school grant to lands included within the Black Hills National Forest prior to survey, and be allowed to select other lands equivalent in acreage and value lying along and within the boundaries of the National Forests. The exchange involves an area of 60,143 acres. The lieu areas agreed upon for elimination comprise 47,937 acres within the Harney National Forest, the balance to be obtained from the Sioux National Forest. By the proclamation the lieu areas do not become finally eliminated from the National Forests until the selection by the State is perfected. All selections must be filed within 90 days from the date of the proclamation, or within 90 days from the approval of the official plat of survey of the unsurveyed land embraced in the area. The proclamation signed April 1 eliminated 26,440 acres from the Uncompahgre National Forest, Colo.

In districts 3 and 5 the Executive orders signed February 17 transferred a total of approximately 2,414,765 acres of land from the Alamo and Carson Forests, N. Mex.; the Apache and the Sitgreaves Forests, Ariz.; the Zuni Forest, Ariz. and N. Mex.; and the Sequoia and Trinity Forests, Cal., to the Mescalero Apache and Jicarilla Indian Reservations, N. Mex.; the White Mountain Apache Indian Reservation, Ariz.; the Navajo and Zuni Indian Reservations, Ariz. and N. Mex.; and the Tule River and the Hoopa Valley Indian Reservations, Cal. The transferred areas were, according to the opinion of the Acting Attorney General of September 5, 1911, erroneously included within the National Forests by the proclamations of March 2, 1909. The Executive order signed April 1 eliminated 1,600 acres from the Lincoln National Forest, N. Mex.

In district 4 the proclamation signed January 24 eliminated 12,819 acres from and added 60,579 acres to the Cache National Forest, Utah and Idaho. The proclamation signed March 23, eliminated 2,720 acres of patented land from the Idaho National Forest, Idaho.

LANDS.

Listing of Surveyed Lands by Metes and Bounds—

Under the rulings of the Interior Department, it is permissible to list surveyed lands according to legal subdivisions as small as $2\frac{1}{2}$ acres each. It has been brought to the attention of the Forester, however, that it frequently is more practical and in the end less expensive to make a metes and bounds survey than to describe the lands by such small subdivision. The district foresters have, accordingly, been authorized to make metes and bounds listing surveys in such cases, giving the applicant, however, the privilege of choosing the method of description when the examiner believes a metes and bounds survey preferable solely from the applicant's standpoint.

Amendments to Manual: Claims, Settlements, and Administrative Sites—

Attention is called to the amendments to the Manual relating to claims, settlement, and administrative sites, synopsised as follows:

No. 109, which provides that all reports on applications under the act of June 11, 1906, must be accompanied by answers to the questions on Form 107 relative to water-power possibilities.

No. 111, which embodies instructions relative to the exception of strips for highways, and the reservation of rights of way for telephone lines, through tracts to be listed under the act of June 11, 1906.

No. 112, which requires claims examiners to report upon the water possibilities on the tracts involved when submitting reports in claims cases.

No. 120, which provides for notice to the claimant of the date of transmission to the chief of field division, of a report upon his claim, without giving further detail.

No. 121, which authorizes the district forester to proceed with the listing of lands by metes and bounds under the old procedure in case he lacks equipment or the personnel to carry out the cooperative arrangement with the Interior Department with reference to making the official final survey when listing the land.

SERVICE PUBLICATIONS ISSUED.

Circular 82. Hardy Catalpa (revised).

Circular 189. Strength Values for Structural Timbers.

Circular 194. Progress Report on Wood Paving in Minneapolis.

Circular 195. Forest Planting in Northeastern and Lake States.

Circular 203. Assistance to Private Owners in the Practice of Forestry.

Circular 205. Forest Fire Protection under the Weeks Law.

Unnumbered. Paper Pulps from Various Forest Woods.

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